

III.B.2.N.d.37. SALIX LIGULIFOLIA TEMPORARILY FLOODED SHRUBLAND ALLIANCE

Strapleaf Willow Temporarily Flooded Shrubland Alliance

SALIX LIGULIFOLIA / CAREX UTRICULATA SHRUBLAND [PROVISIONAL]

Strapleaf Willow / Beaked Sedge Shrubland

ELEMENT CONCEPT

GLOBAL SUMMARY: This association has only been described from Zion NP. Until further inventory is completed there is no global information.

ENVIRONMENTAL DESCRIPTION

USFWS Wetland System: PALUSTRINE

Zion National Park Environment: This stand occurs above 7500 feet. The meadow is positioned in a gently sloping basin with a northern aspect. Soils are moist clay loam with 100% herbaceous vegetation litter cover. Small stream channels meander through the meadow.

Global Environment: This association has only been described from Zion NP. Until further inventory is completed there is no global information.

VEGETATION DESCRIPTION

Zion National Park Vegetation: *Salix ligulifolia* is the only shrub occurring in this willow carr with over 50% cover. Diverse herbaceous vegetation composes a lush, dense herbaceous vegetation layer and surrounding meadow. Some herbaceous species present are *Carex rostrata* (30% cover), *Poa pratensis* (10%), *Agrostis stolonifera*, *Phleum pratense*, *Carex microptera*, *Maianthemum stellatum* (20%), *Mentha arvensis*, and *Mertensia arizonica*.

Global Vegetation: This association has only been described from Zion NP. Until further inventory is completed there is no global information.

Global Dynamics: Information not available.

MOST ABUNDANT SPECIES

Zion National Park

<u>Stratum</u>	<u>Species</u>
TALL SHRUB	<i>Salix ligulifolia</i>
GRAMINOID	<i>Carex utriculata</i> , <i>Poa pratensis</i>
FORB	<i>Maianthemum stellatum</i>

Global

<u>Stratum</u>	<u>Species</u>
Information not available.	

CHARACTERISTIC SPECIES

Zion National Park

<u>Stratum</u>	<u>Species</u>
TALL SHRUB	<i>Salix ligulifolia</i>
GRAMINOID	<i>Carex utriculata</i>

Global

<u>Stratum</u>	<u>Species</u>
Information not available.	

GLOBAL SIMILAR ASSOCIATIONS:

Information not available.

GLOBAL STATUS AND CLASSIFICATION COMMENTS

Global Conservation Status Rank: G?.

Global Comments: Information not available.

ELEMENT DISTRIBUTION

Zion National Park Range: This association was documented on Horse Ranch Mountain of Zion National Park. *Salix ligulifolia* occurs naturally at higher elevations. Consequently, this association is not likely to be found elsewhere in the park.

Global Range: This association has currently only been described from Zion NP in southwestern Utah, but may occur elsewhere on the Markagunt Plateau.

Nations: US

States/Provinces: UT

ELEMENT SOURCES

Zion National Park Inventory Notes: Plots: 121

Classification Confidence: 3 **Identifier:** CEGL002975

REFERENCES: None available.